US ERA ARCHIVE DOCUMENT

Coast Guard's Mechanical Oil Spill Recovery Capabilities



USCG Mechanical Oil Spill Response Capability

What.

Where.

Emerging Issues & Initiatives.



Skimming Capability

- Boom
- Skimmers-Pumps
- TemporaryStorage





Vessel of Opportunity Skimming System (VOSS)

- USCG District prepositioned sites
- National Strike Force Strike Teams
- Flexi (tension member)
- Fast Sweep (with net)

Spilled Oil Recovery System (SORS)

- USCG JUNIPER Class 225ft Buoy Tenders (WLBs)
- "A" Class
- "B" Class



VOSS Sites Seattle, WA Detroit, MI Astoria, OR Portsmouth, NH Eureka, CA Quonset, RI PST Novato, CA **AST Fort Dix, NJ** St. Louis, MO Portsmouth, VA Charleston, SC **GST Mobile, AL** Jacksonville, FL LA/LB Miami, FL Honolulu, HI Galveston, TX Corpus Christi, Tampa, FL TX Guam **Puerto Rico American Samoa KEY FAST-SWEEP BOOM** Anchorage, AK **FLEXI-BOOM**

SORS Sites ALDER Duluth, MN **HOLLYHOCK** FIR Port Huron, MI Astoria, OR **SEQUOIA** JUNIPER & Guam WILLOW Newport, RI ELM Fort Macon, NC OAK Charleston, SC **ASPEN** San Francisco, CA **KUKUI & WALNUT CYPRESS** Honolulu, HI Mobile, AL **SYCAMORE** Cordova, AK **KEY HICKORY** MAPLE 255 WLB A-CLASS Homer, AK Sitka, AK 255 WLB B-CLASS **SPAR** Kodiak, AK

VOSS Containment Boom





VOSS Skimmer





VOSS Temporary Storage Device









NSF Response Policy

Response standards:

- 2 members dispatched immediately
- 4 members within 2 hours
- 12 members within 6 hours
- We can call on other teams for support

10-person hazmat response team on standby per team out the door in 2 hours



Lightering / Pumping Capability

CCN 150 TSD
Offloading Pump

Viscous OilPumpingSystem (VOPS)





Inflatable Boom











Packaged for USCG C-130 Transport





Encouraging...

- Equipment system standardization
 - Performing annual maintenance visits
- Hands-on team training
 - Annual deployment exercises
- Partnerships
 - Equipment systems enhancements

...strengthens our National Response System!



Emerging Issues

- Continuing to improve the Viscous Oil Pumping System (VOPS).
- Developing strategies & systems to mitigate "sinking" oil releases.
- Adjusting the type and location of spill response equipment systems to meet emergency response system shortfalls.



Questions?

